

REMARKS

By this Amendment, claims 4-6 are amended and claim 3 is cancelled. Accordingly, claims 1-2 and 4-8 are currently pending. Reconsideration is respectfully requested of the rejected claims in view of the above amendments and following remarks.

I. Allowable Subject Matter

The Applicants appreciate the Examiner's indication that claims 1 and 7-8 are allowed, and claims 4-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Pursuant to the Examiner's suggestion, the allowable subject matter of claims 4-6 have been incorporated into their respective base claim, 3, and in view of the above amendments and following remarks obviates the objection to claims 4-6. Applicants respectfully request the withdrawal of the objection to claims 4-6.

II. Rejections Under 35 U.S.C. §103

The Examiner has rejected claims 2-3 under 35 U.S.C. §103(a) as being unpatentable over Kushihiro Takanobu et al. (JP-2002/010602, hereinafter Takanobu), or alternatively Sumiya Naoyuki et al. (JP-2002-233122, hereinafter Naoyuki) in view of Imai (U.S. Patent No. 6,257,027) and Ukai et al. (JP-2002-034187A). These rejections are respectfully traversed, and so far as they pertain to claim 3, rendered moot by its cancellation.

Applicants respectfully traverse the rejection of claim 2 because neither Takanobu, singularly, or Naoyuki in view of Imai and Ukai do not disclose or suggest each feature of the claimed invention, with regards to claim 2.

In particular, claim 2 recites a rotor for a permanent magnet rotor including, among other things:

wherein the frame, the core and the permanent magnets are combined integrally with each other by a synthetic resin, and each insertion hole includes a magnet disposing portion in which the permanent magnet is disposed and a recess defining a space along the outer periphery of each permanent magnet disposed in the magnet disposing portion, and the molten synthetic resin is poured into the recess.

Thus, claim 2 recites *inter alia*, that a rotor for a permanent magnet motor includes a frame, which includes the core and permanent magnets, are combined integrally with each other by a synthetic resin, and each insertion hole includes a magnet disposing portion in

which the permanent magnet is disposed, and a recess defining a space along the outer periphery of each permanent magnet disposed in the magnet disposing portion. That is to say, the frame contains a recess defining the space into which the permanent magnets are combined, *and also* the molten synthetic resin is pored. These features are not disclosed or suggested in the prior art of record, whether taken singularly or in combination. Takanobu does not disclose or suggest any structure equivalent to the each insertion hole including a magnet disposing portion in which the permanent magnet is disposed and a recess defining a space along an outer periphery of each permanent magnet is disposed in the magnetic disposing portion, and the molten synthetic resin is poured into the recess. Takanobu merely describes the permanent magnets being inserted into a respective insertion hole. See, for example, Abstract and Fig. 1 of Takanobu.

In addition, with respect to Ukai describes a very different system configuration wherein a resin member 8 injected into the holes 2a (1a) will act to fill the so called “communicating grooves 4,” with a clearance partly left on the central side of the access of the permanent magnet 6. See, for example, Ukai, Abstract and Fig. 1. As Ukai is understood, it appears that the permanent magnet 6 is pressed outwardly, towards the outer circumferential side of the structure. However, Ukai fails to disclose or suggest the recess defining a space along the outer periphery of each permanent magnet, as claimed in claim 2. Furthermore, the invention as recited in claim 2 allows the permanent magnet to be brought near to the inner peripheral end of the insertion hole, since the molten synthetic resin is poured into the recess and does not interfere with a more desirable placement of the permanent magnet being near the inner peripheral end of the insertion hole. See, for example, originally filed specification at page 7, lines 6-22.

Thus, neither Takanobu taken singularly, nor alternatively, Naoyuki in view of Imai and Ukai, disclose or suggest each feature of claims 1-2 and 4-8.

And for the same reasons stated above, with regards to claim 2, neither Takanobu, singularly, or alternatively, Naoyuki in view of Imai and Ukai, disclose or suggest each of the features recited in claim 2. Therefore, Applicants respectfully request the withdrawal of the rejection to claim 2 and that all claims are currently allowable.

III. Conclusion

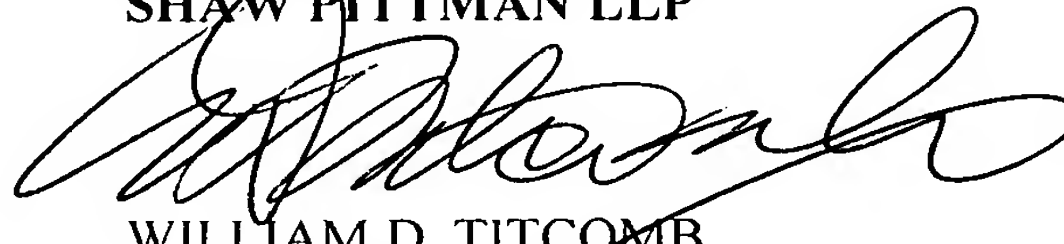
Having addressed each of the following rejections, it is respectfully submitted that a full and complete response has been made to the outstanding Office Action and, as such, the application is in condition for allowance. Notice to that affect is respectfully requested.

If the Examiner believes for any reason that a personal communication with expedite prosecution of the application, the Examiner is invited to contact the undersigned at the telephone number provided.

Please charge any fees associated with the submission of this paper to Deposit Account Number **03-3975**. The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account.

Respectfully submitted,

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